

# SILTECH CORP.

## Material Safety Data Sheet

Silquat AD  
MSDS NR: 4210

Revised: November 22, 2006

### SECTION 1. CHEMICAL PRODUCT/COMPANY IDENTIFICATION

Material Identification: Silquat AD

Company Identification: Siltech Corp.

Chemical Name: Silicone Dimeramido Quat

225 Wicksteed Avenue

INCI Name: Silicone Quaternium-8

Toronto, Ont.

M4H 1G5

(416) 424-4567

### SECTION 2. Composition/Information On Hazardous Ingredients

CAS NR

Wt %

Components

None

### SECTION 3. HAZARDS IDENTIFICATION

There are no potential health effects expected from handling this material. Good manufacturing practices are always recommended when handling any chemical.

There are no significant laboratory data to suggest any hazard to humans.

Eyes: Direct eye contact may cause temporary discomfort with mild redness and dryness similar to windburn.

Skin: A single prolonged exposure (24 to 48 hours) causes no known adverse effect.

Inhalation: No irritation to respiratory passages is expected from relatively short exposures of less than 8 hours.

Oral: Small amounts transferred to the mouth by fingers during use should not injure. Swallowing large amounts may cause digestive discomfort.

Repeated exposure effects:

Skin: None known.

Inhalation: None known.

Oral: None known.

Comments: None.

### SECTION 4. FIRST AID MEASURES

Eyes: Immediately flush with water for 15 minutes. Obtain medical attention if irritation occurs.

Skin: Remove contaminated clothing and wash with soap and water. No first aid should be needed.

Inhalation: Short-term harmful health effects are not expected from vapour generated at ambient temperatures. If first aid is required move victim to fresh air.

Oral: No first aid should be needed. If discomfort occurs, obtain medical attention.

Comments: Treat symptomatically.

### **SECTION 5. FIRE FIGHTING MEASURES**

**Flash Point:** > 200°C by Pinsky Martens closed cup.

**Autoignition Temperature:** Not determined.

**Flammability Limits in Air:** Not determined.

**Extinguishing Media:** Carbon dioxide (CO<sub>2</sub>) water spray. Dry chemical foam water can be used to cool fire-exposed containers.

**Fire Fighting Procedures:** Self-contained breathing apparatus and protective clothing should be worn in fighting fires involving chemicals.

**Hazardous Decomposition Products:** Silicone dioxide. Carbon oxides and traces of incompletely burned carbon compounds.

### **SECTION 6. ACCIDENTAL RELEASE MEASURES**

**Containment/Clean up:** Sections 13 and 15 of this MSDS provide information regarding certain Federal and local requirements. Collect for disposal. Clean up remaining materials from spill with suitable absorbent. For large spills provide diking or other appropriate containment to keep material from spreading. If diked material can be pumped, store recovered material in appropriate container. Clean area as appropriate since some silicone material, even in small quantities, may present a slip hazard. Final cleaning may require steam, solvents or detergents. Observe all personal protection equipment recommendations described in Sections 5 and 8 of this MSDS. Observe all Federal, Provincial and local regulations that may apply to the clean up of this material.

### **SECTION 7. HANDLING AND STORAGE**

**Handling (Personnel):** Safety Glasses and PVC Gloves.

**Storage:** Keep container tightly closed. Product is "non-hazardous".

### **SECTION 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION**

**Engineering Controls:** Local Exhaust: None should be needed.  
General Ventilation: Recommended.

#### **Personal Protective Equipment for Routine Handling**

Eyes: Use proper protection - safety glasses as a minimum.

Skin: Washing at mealtime and end of shift is adequate.

Suitable Gloves: No special protection is needed.

Inhalation: No respiratory protection should be needed.

Suitable Respirator: None should be needed.

#### **Personal Protective Equipment for Spills**

Eyes: Use proper protection - safety glasses as a minimum.

Skin: Washing at mealtime and end of shift is adequate.

Inhalation/Suitable Respirator: No respiratory protection should be needed.

Precautionary Measures: Avoid eye contact.

**Note:** These precautions are for room temperature handling. Use at elevated temperatures or aerosol spray applications may require added precautions.

### **SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

|                                       |                    |                                      |                   |
|---------------------------------------|--------------------|--------------------------------------|-------------------|
| <b><u>Physical form:</u></b>          | Liquid             | <b><u>Viscosity:</u></b>             | 20 cps            |
| <b><u>Colour:</u></b>                 | Clear Amber Liquid | <b><u>Melting Point:</u></b>         | Not applicable    |
| <b><u>Odour:</u></b>                  | Mild               | <b><u>Boiling point:</u></b>         | >100 C @ 760 mmHg |
| <b><u>Specific Gravity @ 25C:</u></b> | 0.99 gm/ml         | <b><u>Vapour Pressure @ 25C:</u></b> | Not determined    |
| <b><u>Solubility in Water:</u></b>    | Soluble            | <b><u>pH:</u></b>                    | Not determined    |

### **SECTION 10. STABILITY AND REACTIVITY**

**Chemical Stability:** Stable

**Hazardous Polymerization:** Will not occur.

**Conditions to Avoid:** None known.

**Materials to Avoid:** None known.

### **SECTION 11. TOXICOLOGICAL INFORMATION**

Optional Section - Complete information not yet available.

### **SECTION 12. ECOLOGICAL INFORMATION**

Optional Section - Complete information not yet available.

### **SECTION 13. DISPOSAL CONSIDERATIONS**

Landfill and/or incineration where permitted under Federal, Provincial or local laws. Observe all local, Provincial, and Federal waste management regulations.

### **SECTION 14. TRANSPORTATION INFORMATION**

**Shipping Name:** Not applicable

**Technical Name:** Not applicable

**Primary Class:** Not applicable

**Subsidiary Risk:** Not assessed

**Product Identification Number:** Not applicable

**Packing Group:** Not applicable

### **SECTION 15. REGULATORY INFORMATION**

This product has been classified in accordance with the hazard criteria of the CPR, and this MSDS contains all the information required by the CPR.

**DSL (Canada):** All components are listed on DSL.

**WHMIS Classification:** This product is not subject to WHMIS regulations

### **SECTION 16. OTHER INFORMATION**

The data in this MSDS relates only to the specific material designated herein and does not relate to use in combination with any other material or in any process. This data is offered in good faith as typical values and not as product specifications. No warranty, either expressed or implied, is hereby made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate.

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